



SEQUENCE LISTING

<110> GUY, GOROCHOV ET AL.

<120> METHODS FOR CONSTRUCTION AND SCREENING OF LIBRARIES OF CHEMOKINE VARIANTS

<130> 2121-0180P

<140> US 10/791,814

<141> 2004-03-04

<150> US 09/945,665

<151> 2001-09-05

<150> PCT/EP 02/11045

<151> 2002-09-05

<160> 38

<170> PatentIn version 3.1

<210> 1

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 1

Leu Ser Pro Val Ser Ser Gln Ser Ser Ala
1 5 10

<210> 2

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 2

Phe Ser Pro Leu Ser Ser Gln Ser Ser Ala
1 5 10

<210> 3

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 3

Leu Ser Pro Met Ser Ser Gln Ser Pro Ala
1 5 10

<210> 4

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 4

Trp Ser Pro Leu Ser Ser Gln Ser Pro Ala
1 5 10

<210> 5

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 5

Trp Ser Pro Leu Ser Ser Gln Ser Ser Pro
1 5 10

<210> 6

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 6

Leu Ser Pro Gln Ser Ser Leu Ser Ser Ser
1 5 10

<210> 7

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 7

Ala Ser Ser Gly Ser Ser Gln Ser Thr Ser
1 5 10

<210> 8
<211> 10
<212> PRT
<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 8

Ile Ser Ala Gly Ser Ser Gln Ser Thr Ser
1 5 10

<210> 9
<211> 10
<212> PRT
<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 9

Arg Ser Pro Met Ser Ser Gln Ser Ser Pro
1 5 10

<210> 10
<211> 10
<212> PRT
<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 10

Tyr Ser Pro Ser Ser Ser Leu Ala Pro Ala
1 5 10

<210> 11
<211> 10
<212> PRT
<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 11

Met Ser Pro Leu Ser Ser Gln Ala Ser Ala
1 5 10

<210> 12
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 12

Ala Ser Pro Met Ser Ser Gln Ser Ser Ser
1 5 10

<210> 13
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 13

Gln Ser Pro Leu Ser Ser Gln Ala Ser Thr
1 5 10

<210> 14
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 14

Gln Ser Pro Leu Ser Ser Thr Ala Ser Ser
1 5 10

<210> 15
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 15

Leu Ser Pro Leu Ser Ser Gln Ser Ala Ala

1 5 10

<210> 16
<211> 10
<212> PRT
<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 16

Gly Ser Ser Ser Ser Ser Gln Thr Pro Ala
1 5 10

<210> 17
<211> 10
<212> PRT
<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 17

Tyr Ser Pro Leu Ser Ser Gln Ser Ser Pro
1 5 10

<210> 18
<211> 10
<212> PRT
<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 18

Phe Ser Ser Val Ser Ser Gln Ser Ser Ser
1 5 10

<210> 19
<211> 9
<212> PRT
<213> Artificial sequence

<220>

<223> tag HA 1.1 peptide sequence

<400> 19

Tyr Pro Tyr Asp Val Pro Asp Tyr Ala

1

5

<210> 20
<211> 39
<212> DNA
<213> Artificial sequence

<220>
<223> PCR downstream primer

<400> 20
tgggggccct ctagacatct ccaaagagtt gatgtactc

39

<210> 21
<211> 99
<212> DNA
<213> Artificial sequence

<220>
<223> PCR upstream primer

<220>
<221> Unsure
<222> (25)..(25)
<223> n = a, t, c or g

<220>
<221> misc_feature
<222> (25)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (34)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(49)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (52)..(52)

<223> n is a, c, g, or t

<400> 21

ctcgcgggccc agcgggcccatt ggccnnktcc ncannktcct cgnnknccnc ancctgctgc 60

tttgccctaca ttgcgcgggcc gctgccccgt gccacatc 99

<210> 22

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 22

Ile Ser Ala Gly Ser Ser Glu Leu Ala Ala

1 5 10

<210> 23

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence selected using the biopanning strategy (mammalian)

<400> 23

Ala Ser Pro Leu Ser Ser Gln Ser Ser Ser

1 5 10

<210> 24

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide (page 9 of specification)

<220>

<221> UNSURE

<222> (1)..(1)

<223> Xaa = L or an aromatic residue

<220>

<221> UNSURE
<222> (3)..(3)
<223> Xaa = S,P,T or A

<220>
<221> UNSURE
<222> (4)..(4)
<223> Xaa = L, M or V

<220>
<221> UNSURE
<222> (8)..(10)
<223> Xaa = S,P,T or A

<400> 24

Xaa Ser Xaa Xaa Ser Ser Gln Xaa Xaa Xaa
1 5 10

<210> 25
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Consensus biopanning on CCR5 cells

<220>
<221> UNSURE
<222> (4)..(4)
<223> Xaa = L, M or V

<400> 25

Leu Ser Pro Xaa Ser Ser Gln Ser Ser Ala
1 5 10

<210> 26
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Consensus biopanning on 1D2 antibody

<220>
<221> UNSURE
<222> (8)..(8)
<223> Xaa = A, P or S

<400> 26

Arg Ser Pro Pro Ser Ser Arg Xaa Ala Ser
1 5 10

<210> 27

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Wild-type RANTES

<400> 27

Ser Pro Tyr Ser Ser Asp Thr Thr Pro
1 5

<210> 28

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> RANTES library

<220>

<221> UNSURE

<222> (1)..(1)

<223> Xaa = any amino acid, unknown or other

<220>

<221> UNSURE

<222> (3)..(3)

<223> Xaa = A, P, S or T

<220>

<221> UNSURE

<222> (4)..(4)

<223> Xaa = any amino acid, unknown or other

<220>

<221> UNSURE

<222> (7)..(7)

<223> Xaa = any amino acid, unknown or other

<220>

<221> UNSURE

<222> (8)..(10)

<223> Xaa = A, P, S or T

<400> 28

Xaa Ser Xaa Xaa Ser Ser Xaa Xaa Xaa Xaa
1 5 10

<210> 29
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Consensus biopanning sequence

<220>
<221> UNSURE
<222> (4)..(4)
<223> Xaa = A, P, S or T

<400> 29

Leu Ser Pro Xaa Ser Ser Gln Ser Ser Ala
1 5 10

<210> 30
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence (mammalian)

<400> 30

Val Ser Thr Leu Ser Ser Pro Ala Ser Thr
1 5 10

<210> 31
<211> 10
<212> PRT
<213> Unknown

<220>
<223> Cloned peptide sequence (mammalian)

<400> 31

Ala Ser Ser Phe Ser Ser Arg Ala Pro Pro
1 5 10

<210> 32
<211> 10
<212> PRT
<213> Unknown

<220>

<223> Cloned peptide sequence (mammalian)

<400> 32

Gln Ser Ser Ala Ser Ser Ser Ser Ser Ala
1 5 10

<210> 33

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence (mammalian)

<400> 33

Gln Ser Pro Gly Ser Ser Trp Ser Ala Ala
1 5 10

<210> 34

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence (mammalian)

<400> 34

Gln Ser Pro Pro Ser Ser Trp Ser Ser Ser
1 5 10

<210> 35

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence (mammalian)

<400> 35

Gln Ser Pro Leu Ser Ser Phe Thr Ser Ser
1 5 10

<210> 36

<211> 10

<212> PRT

<213> Unknown

<220>

<223> Cloned peptide sequence (mammalian)

<400> 36

Ala Ser Pro Gln Ser Ser Leu Pro Ala Ala
1 5 10

<210> 37

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Consensus sequence 1

<220>

<221> Unsure

<222> (7)..(7)

<223> Aromatic Residue

<400> 37

Gln Ser Pro Gln Ser Ser Xaa Ser Ser Ala
1 5 10

<210> 38

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Consensus sequence 2

<220>

<221> misc_feature

<222> (10)..(10)

<223> Xaa can be any naturally occurring amino acid

<400> 38

Leu Ser Pro Gln Ser Ser Leu Ser Ser Xaa
1 5 10